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1 The open archives initiative: building a low-barrier interoperability framework

Carl Lagoze, Herbert Van de Sompel

January 2001   **JCDL '01:** Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM Request Permissions

Full text available: Pdf (356.96 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 115, Downloads (Overall): 1336,   Citation Count: 41

The Open Archives Initiative (OAI) develops and promotes interoperabil ity solutions that aim to facilitate the efficient dissemination of content. The roots of the OAI lie in the E-Print community. Over the last year its focus has been extended to include ...

Keywords: digital libraries, interoperability, metadata, protocols

2 The architecture of robust publishing systems

Marc Waldman, Aviel D. Rubin, Lorrie Faith Cranor

November 2001 **Transactions on Internet Technology (TOIT)** , Volume 1 Issue 2

Publisher: ACM Request Permissions

Full text available: Pdf (680.21 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 64, Downloads (Overall): 870,   Citation Count: 1

The Internet in its present form does not protect content from censorship. It is straightforward to trace any document back to a specific Web server, and usually directly to an individual. As we discuss below, there are valid reasons for publishing a ...

Keywords: Censorship resistance, Web publishing

3 An open-source CVE for programming education: a case study

Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks

July 2005   **SIGGRAPH '05:** SIGGRAPH 2005 Courses

Publisher: ACM Request Permissions

Full text available: Pdf (7.92 MB)   Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 338, Downloads (Overall): 1218,   Citation Count: 0

4 <u>A simple mechanism for capturing and replaying wireless channels</u>

<u>Glenn Judd</u>, <u>Peter Steenkiste</u>

August 2005 | **E-WIND '05:** Proceedings of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis

Publisher: ACM <u>Request Permissions</u>

Full text available: <u>Pdf</u> (6.06 MB) | Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>cited by</u>, <u>index terms</u>

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 470, Downloads (Overall): 2057, Citation Count: 3

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility ...

Keywords: channel capture, emulation, wireless

5 <u>Managing the follow-me semantics to build large-scale pervasive applications</u>

<u>Iara Augustin</u>, <u>Adenauer Yamin</u>, <u>Cláudio F. Resin Geyer</u>

November 2005 | **MPAC '05:** Proceedings of the 3rd international workshop on Middleware for pervasive and ad-hoc computing

Publisher: ACM

Full text available: <u>Pdf</u> (788.26 KB) | Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 28, Downloads (Overall): 307, Citation Count: 1

In this paper, we present the concept of follow-me semantics of the large-scale pervasive application and discuss the features and services to its implementation based on the integration of three computing fields: mobile, context-aware and grid computing. ...

Keywords: collaborative adaptation model, context aware adaptation, follow-me semantics, large-scale pervasive application, middleware design

6 <u>Automatic verification of design patterns in Java</u>

<u>Alex Blewitt</u>, <u>Alan Bundy</u>, <u>Ian Stark</u>

November 2005 | **ASE '05:** Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering

Publisher: ACM <u>Request Permissions</u>

Full text available: <u>Pdf</u> (260.41 KB) | Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 208, Downloads (Overall): 794, Citation Count: 4

Design patterns are widely used by designers and developers for building complex systems in object-oriented programming languages such as Java. However, systems evolve over time, increasing the chance that the pattern in its original form will be broken.To ...

Keywords: Java, design pattern, specification, verification

7 <u>DBGlobe: a service-oriented P2P system for global computing</u>

<u>Evaggelia Pitoura</u>, <u>Serge Abiteboul</u>, <u>Dieter Pfoser</u>, <u>George Samaras</u>, <u>Michalis Vazirgiannis</u>

September 2003 **SIGMOD Record** , Volume 32 Issue 3

Publisher: ACM

Full text available: <u>Pdf</u> (282.99 KB) | Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>cited by</u>

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Downloads (Overall): 728, Citation Count: 9

The challenge of peer-to-peer computing goes beyond simple file sharing. In the DBGlobe project, we view the multitude of peers carrying data and services as a superdatabase. Our goal is to develop a data management system for modeling, indexing and ...

Keywords: global computing, metadata, peer-to-peer computing, peer-to-peer databases, pervasive computing, services, ubiquitous computing

8 Profiles for the situated web

Lalitha Suryanarayana, Johan Hjelm

May   **WWW '02:** Proceedings of the 11th international conference on World Wide Web
2002

Publisher: ACM

Full text available: Pdf (263.89 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 56,   Downloads (Overall): 960,   Citation Count: 3

The World Wide Web is evolving into a medium that will soon make it possible for conceiving and implementing situation-aware services. A situation-aware or situated web application is one that renders the user with an experience (content, interaction ...

Keywords: CC/PP, XML, profiles, situated-aware applications, vocabulary, web architecture

9 A query scope agent for flood search routing protocols

John Sucec, Ivan Marsic

November 2003   **Wireless Networks** , Volume 9 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: Pdf (289.73 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 18,   Downloads (Overall): 342,   Citation Count: 0

Flood-search on-demand routing has received considerable interest for its application to mobile ad hoc networks. To alleviate the effects of flooding the network with control packets to discover a route, the concept of an expanding ring search (ERS) ...

Keywords: flood search, mobile ad hoc network, on-demand routing

10 HLP: a next generation inter-domain routing protocol

Lakshminarayanan Subramanian, Matthew Caesar, Cheng Tien Ee, Mark Handley, Morley Mao, Scott Shenker, Ion Stoica

August   **SIGCOMM '05:** Proceedings of the 2005 conference on Applications, technologies, architectures,
2005   and protocols for computer communications

Publisher: ACM Request Permissions

Full text available: Pdf (470.79 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 57,   Downloads (12 Months): 164,   Downloads (Overall): 686,   Citation Count: 12

It is well-known that BGP, the current inter-domain routing protocol, has many deficiencies. This paper describes a hybrid link-state and path-vector protocol called HLP as an alternative to BGP that has vastly better scalability, isolation and convergence ...

Keywords: BGP, convergence, inter-domain routing, scalability

Also published in:

October 2005 **SIGCOMM Computer Communication Review** Volume 35 Issue 4

11 Expectations and deployment of agent technology in manufacturing and defence: case studies

Michal Pěchou•ek, Martin Rehák, Vladimir Marik

July   **AAMAS '05:** Proceedings of the fourth international joint conference on Autonomous agents and
2005   multiagent systems

Publisher: ACM

Full text available: Pdf (634.19 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 55,   Downloads (Overall): 499,   Citation Count: 2

Agent technology provides the manufacturing and defence with novel technological concept. This concept has been deployed in a number of different application throughout last few years. This contribution provides the readers with several case studies ...

Keywords: agents, defence applications, manufacturing, multi-agent systems, production planning

12 Distributed information management in the National HPCC Software Exchange

Shirley Browne, Jack Dongarra, Geoffrey C. Fox, Ken Hawick, Ken Kennedy, Rick Stevens, Robert Olson, Tom Rowan

December 1995   **Supercomputing '95:** Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: Html (42.98 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 62, Citation Count: 0

Currently, most approaches to retrieving textual materials from scientific databases depend on a lexical match between words in usersý requests and those in or assigned to documents in a database. Because of the tremendous diversity in the words ...

Keywords: indexing, information, latent, matrices, retrieval, semantic, singular value decomposition, sparse, updating

13 Distributed digital commerce

Markus Schmees

September 2003   **ICEC '03:** Proceedings of the 5th international conference on Electronic commerce

Publisher: ACM

Full text available: Pdf (136.74 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 48, Downloads (Overall): 998, Citation Count: 2

Electronic commerce covers trading activities that are supported by information and communication technologies. Digital commerce defines a particular subset of electronic commerce. There are only digital products or digital services involved and every ...

Keywords: Distributed Commerce, Distributed Systems, collaborative eCommerce, collaborative marketplace, decentralization, digital commerce, digital marketplace, digital money, peer-to-peer (P2P)

14 Safe compositional specification of networking systems

Azer Bestavros, Adam Bradley, Assaf Kfoury, Ibrahim Matta

July 2004   **SIGCOMM Computer Communication Review** , Volume 34 Issue 3

Publisher: ACM

Full text available: Pdf (485.75 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 17, Downloads (Overall): 210, Citation Count: 1

The <i>science</i> of network service composition has emerged as one of the grand themes of networking research [17] as a direct result of the complexity and sophistication of emerging networked systems and applications. By "service composition" ...

Keywords: QoS theory, control theory, service composition, type systems

15 A scaleable event infrastructure for peer to peer grids

Geoffrey Fox, Shrideep Pallickara, Xi Rao

November 2002   **JGI '02:** Proceedings of the 2002 joint ACM-ISCOPE conference on Java Grande

Publisher: ACM

Full text available: Pdf (400.08 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 45, Downloads (Overall): 1013, Citation Count: 4

In this paper we propose a peer-to-peer (P2P) grid comprising resources such as relatively static clients, high-end resources and a dynamic collection of multiple P2P subsystems. We investigate the architecture of the messaging and event service that ...

Keywords: JXTA, P2P systems, event distribution systems, grid computing, middleware

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